

# Energy storage for grid stability tallinn



## Overview

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As Europe races toward 2030 renewable targets, the Tallinn Power Storage Project has become a litmus test for grid-scale battery viability in northern climates. The 100 MW/200 MWh battery energy storage project in Kiisa began operation on February 3 as scheduled – just two weeks after a testing fault at the facility caused the most significant disturbance to the regional power grid since Estonia's desynchronization from the Russian electricity system. Operational since Q4 2024, this 240 MWh lithium-ion system supports Estonia's ambitious plan to derive 50% of its electricity from wind. Located just 25 kilometers south of Tallinn, the facility, called Hertz 1, is a significant technical upgrade for Estonia and includes a high-voltage 330 kV connection to the main grid, via underground cable. This development boosts the physical resilience of connectivity and sets a new standard. NIB has signed a EUR 27.7 million 10-year loan agreement with Baltic Storage Platform OÜ to finance the construction of two battery energy storage projects, Hertz 1 and Hertz 2, in Estonia. Who Cares About Energy Storage in Tallinn?

You know that awkward moment when your phone dies at 15% battery?

Now imagine that happening to. Battery Energy Storage Systems (BESS) play a pivotal role in grid recovery through black start capabilities, providing critical energy reserves during catastrophic grid failures. In the event of a major blackout or grid. 3 ?

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&#0183; And battery energy storage is one of the best solutions.

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### **NIB finances two large-scale battery energy storage parks in Estonia**

These assets will help the Baltic countries strengthen energy sovereignty, stabilize their power systems following recent synchronization with the European grid, and accelerate the phase ...

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### **Estonia Power Disturbance Affects Baltic Grid Capacity**

A power system disturbance in Estonia on January 20 led to the shutdown of both EstLink interconnections with Finland, removing around 1,000 MW of capacity -- roughly 20% of the Baltic ...

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### **Tallinn battery energy storage system**

Evecon, an Estonian renewable energy company, and Corsica Sole, a French company, will build two battery energy storage systems with a total capacity of 200 megawatts in Harju County ...

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### **100 MW Hertz 1 battery enters**



## operation after Estonia-Finland grid

The 100 MW/200 MWh battery energy storage project in Kiisa began operation on February 3 as scheduled - just two weeks after a testing fault at the facility caused the most significant ...

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## Lithium Solar Generator: S150



## Estonia Strengthens Energy Resilience: Hertz 1, One of Continental

The commissioning of Hertz 1 represents a major leap forward in Estonia's energy independence and grid stability. By providing rapid-response frequency regulation services, the ...

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## Groundbreaking for 400MWh BESS in Estonia

This event will bring together key stakeholders from across the region to explore the latest trends in energy storage, with a focus on the increasing integration of energy storage into regional ...

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## Largest battery park in continental Europe up and running in Estonia

The largest battery park in continental Europe was opened in Kiisa, Harju



County, on Tuesday, capable of serving 90,000 households. Developers say it will bring greater energy security ...

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## Tallinn Power Storage: A Game-Changer in Europe's Energy Landscape

Welcome to Tallinn Power Storage - where historic charm meets cutting-edge battery technology. As Europe races toward renewable energy targets, Estonia's capital has quietly become ...



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## Eesti Energia Unveils Estonia's Largest Battery Storage System to ...

Estonia's state-owned energy company, Eesti Energia, has officially launched the country's largest battery energy storage system at the Auvere industrial complex in Ida-Viru County. The 26.5 ...

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## Tallinn Power Storage Project: A Blueprint for Grid-Scale Energy

As Europe races toward 2030 renewable targets, the Tallinn Power Storage

Project has become a litmus test for grid-scale battery viability in northern climates.

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